Contents of Volume 23

M. Bressers, E. Meelis, P. Haccou and M. Kruk (The Netherlands)
When did it really start or stop: the impact of censored observations on the analysis of duration 1

B. Bulman-Fleming, D. Wahlsten and J.M. Lassalle (Canada)
Hybrid vigour and maternal environment in mice. I. Body and brain growth 21

J.M. Lassalle, B. Bulman-Fleming and D. Wahlsten (Canada)
Hybrid vigour and maternal environment in mice. II. Water escape learning, open-field activity and spatial memory 35

D. Wahlsten, J.M. Lassalle and B. Bulman-Fleming (Canada)
Hybrid vigour and maternal environment in mice. III. Hippocampal mossy fibres and behaviour 47

S.B. Sparber, G.L. Bollweg and R.B. Messing (USA)
Food deprivation enhances both autoshaping and autoshaping impairment by a latent inhibition procedure 59

B. Corbara and C. Errard (France)
The organization of artificial heterospecific ant colonies. The case of the *Manica rubida/Formica selysi* association: mixed colony or parallel colonies? 75

R.E. Brown and S. Douglas (Canada)
The behaviour of adult male Long-Evans rats *Rattus norvegicus* toward pups of different ages 89

T. Aubin (France)
Why do distress calls evoke interspecific responses? An experimental study applied to some species of birds 103

E. Trajano (Brazil)
The agonistic behaviour of *Pimelodella kronei*, a troglobitic catfish from Southeastern Brazil (Siluriformes, Pimelodidae) 113

O. Stiedl and U. Bickmeyer (FRG)
Acoustic behaviour of *Ephippiger ephippiger* Fiebig (Orthoptera, Tettigoniidae) within a habitat of Southern France 125

C. Melan and A. Ungerer (France)
Positional choices and visual discrimination in non-delayed appetitive discrimination tasks in mice 137

C. Feron, C. Baudoin and M.S. Magnusson (France, Iceland)
Effect of post-weaning social experience with normal females on the behaviour of adult male staggerer mice interacting with normal females 145

Imprinting and Cortical Plasticity. Comparative Aspects of Sensitive Periods, edited by J.P. Rauschecker and P. Marler, reviewed by P. Colgan 153

The Rational Infant. Learning in Infancy, by T.G.R. Bower, reviewed by C. Lepot-Froment 155

Latent Inhibition and Conditioned Attention Theory, by R.E. Lubow, reviewed by G. Lories 157

Fear and Defence, edited by P.F. Brain, S. Parmigiani, R. Blanchard and D. Mainardi, reviewed by R. Dantzer 158

Social Insects. An Evolutionary Approach to Castes and Reproduction, edited by W. Engels, reviewed by J.-P. Lachaud 159

Biology of the Vespine Wasps, by M. Matsuura and S. Yamane, reviewed by J. Gervet 161

M.E.A. Whitehouse (New Zealand)
To mate or fight? Male–male competition and alternative mating strategies in *Argyrodes antipodiana* (Theridiidae, Araneae) 163

G. Fontani, V. Vegni and N. Voglino (Italy)
Self-directed behaviour and hippocampal electrical activity in rabbits living in a semi-natural environment 173

P.K. Ducey, C.D. Anthony and E.D. Brodie, Jr. (USA)
Thresholds and escalation of antipredator responses in the Chinese salamander *Cynops cyanurus*: inter- and intra-individual variation 181

M.-C. Cammaerts, J.-C. Verhaeghe, R. Cammaerts and R. Lesseux (Belgium)
A hitherto unknown ethological factor in the ant *Tetramorium impurum* (Myrmicinae) 193

F. Lenoble, G. Le Pape and P. Chevalet (France)
Le transport de sa queue dans la gueule par la souris: étude préliminaire et recherche du sens 205

A.E. Billing and J.L. Smart (UK)
Results from a signal detection analysis approach to the study of lasting effects of early life undernutrition on the behaviour of rats 211

D. Maestripieri and E. Alleva (Italy)
Litter defence and parental investment allocation in house mice 223

A. Cloarec (France)
Predatory versatility in the water bug *Diplonychus indicus* 231

Book Reviews
Hormones, Brain and Behavior in Vertebrates. 1 and 2, edited by J. Balthazart, reviewed by P.F. Brain 243

The Goal of B.F. Skinner and Behavior, by R.W. Proctor and J. Weeks, reviewed by M.N. Richelle 244

Contents of Volume 23 251

Author Index of Volume 23 253

Subject Index of Volume 23 255